Amendments to the Claims

1. (currently amended) A method of treating rhinosinusitis or alleviating the symptoms of rhinosinusitis, comprising

administering an agent that permits the release of proteins from the endoplasmic reticulum, wherein the agent decreases or inhibits activity of the endoplasmic reticulum Ca^{++} ATPase.

2. (previously presented) The method of claim 1, wherein the agent is delivered intranasally.

3. (previously presented) The method of claim 1, further comprising the step of:

providing an individual suffering from rhinosinusitis.

4. (previously presented) The method of claim 3, wherein the providing step comprises providing an individual suffering from chronic rhinosinusitis.

5. (previously presented) The method of claim 3, wherein the individual carries a mutation in at least one copy of a gene encoding a cystic fibrosis transmembrane conductance regulator.

6. (previously presented) The method of claim 3, wherein the gene is the *CFTR* gene.

7. (previously presented) The method of claim 3, wherein the individual carries a mutation in one copy of the gene.

8. (previously presented) The method of claim 3, wherein the individual carries a mutation in both copies of the gene.

9. (previously presented) The method of claim 7 or claim 8, wherein the mutation is a ΔF508 mutation.

10. (previously presented) The method of claim 9, wherein the individual carries an M470V variant of the *CFTR* gene.

11 – 36. (Canceled)

37. (previously presented) The method of claim 3, wherein the agent comprises thapsigargin or a derivative thereof.

38. (previously presented) The method of claim 3, wherein the agent comprises DBHQ or a derivative thereof.

39. (currently amended) The method of claim 3, wherein the agent comprises cyclopiazonic acid or a derivative thereof ~~or wherein the agent comprises halothane or a derivative thereof~~.

40. (previously presented) The method of claim 3, wherein the agent permits release of mis-assembled or mis-folded proteins from the endoplasmic reticulum.

41 – 56. (Canceled)